

View

Sync

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3	//depot/m...	6687	2000/02/04	integrated the latest protocol changes from James.
2	//depot/m...	2120	2000/01/10	Update ical sync, get receive sync requests to work.
1	//depot/m...	1974	2000/01/05	Files added to Applications 2.0 that are not in 1.7.

```

/*****
cimeformat.cpp - Implements the functions used to format crime
*****/

```

Description:

Example:

Original Author: Craig Dunk  
 Modified By:  
 Modified By:

```

(C) 1998 Research In Motion Ltd.
*****/

```

```

#pragma warning(disable: 4514)

```

```

#include "icalformat.h"
#include "icalconstants.h"
#include "icalstreams.h"
#include "icaldecoder.h"
#include "icalencoder.h"
//include "transform.h" //implemented in utility project
#include "ntoh.h" //implemented in utility project
//include "debug.h"

```

```

#include <assert.h>
#include <memory.h>
#include <string.h>
#include <stdlib.h>
#include <stdio.h>

```

```

class CICALFormat : public iCalFormat
{
public:

```

```

    virtual bool MessageToStream( RIMCalendarInfo& Message, RIMStream& Stream, bool bMoreSupported = false);
    virtual bool StreamToMessage( RIMStream& Stream, RIMCalendarInfo& Message);

```

```

private:
    CicalDecoder Decoder;
    CicalEncoder Encoder;

```

```

220 //////////////RIM UID
    {
        RIMEvent::UIDProperty * RIMPropertyToEncode = 0;
        SuccessOfGet = Vevent.GetProperty(&RIMPropertyToEncode);
        if (SuccessOfGet)
        {
            unsigned char TempBuffer [4];

            htonl( RIMPropertyToEncode->GetUID(), TempBuffer);

            CICALPropertyToEncode.Clear();
            SuccessFlag = CICALPropertyToEncode.Set(CicalProperty::NcCicalUID,
                TempBuffer,
                4);

            if (!SuccessFlag)
            {
                goto end;
            }
            SuccessFlag = Encoder.AddProperty (CICALPropertyToEncode);
            if (!SuccessFlag)
            {
                goto end;
            }

            CICALPropertyToEncode.Clear();
        }
    }

240 //////////////Sequence #
    {
        RIMEvent::SequenceProperty * RIMPropertyToEncode = 0;
        SuccessOfGet = Vevent.GetProperty(&RIMPropertyToEncode);
        if (SuccessOfGet)
        {
            unsigned char TempBuffer [4];

            htonl( RIMPropertyToEncode->GetSequenceNumber(), TempBuffer);

            CICALPropertyToEncode.Clear();
            SuccessFlag = CICALPropertyToEncode.Set(CicalProperty::NcCicalSequence,
                TempBuffer,
                4);
            if (!SuccessFlag)

```

```

260     {
261         goto end;
262     }
263     SuccessFlag = Encoder.AddProperty (CICALPropertyToEncode);
264     if (!SuccessFlag)
265     {
266         goto end;
267     }
268
269     CICALPropertyToEncode.Clear();
270 }
271
272 //////////////Revision #
273 {
274     RIMEvent::RevisionProperty * RIMPropertyToEncode = 0;
275     SuccessOfGet = Vevent.GetProperty(&RIMPropertyToEncode);
276     if (SuccessOfGet)
277     {
278         unsigned char TempBuffer [4];
279
280         htonl( RIMPropertyToEncode->GetRevisionNumber(), TempBuffer);
281
282         CICALPropertyToEncode.Clear();
283         SuccessFlag = CICALPropertyToEncode.Set(CicalProperty::NoCicalRevision,
284                                         TempBuffer,
285                                         4);
286         if (!SuccessFlag)
287         {
288             goto end;
289         }
290         SuccessFlag = Encoder.AddProperty (CICALPropertyToEncode);
291         if (!SuccessFlag)
292         {
293             goto end;
294         }
295         CICALPropertyToEncode.Clear();
296     }
297 }
298
299 //////////////Calendar ID
300 {

```